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TITLE : PREVENTION OF STICKING AND MULTIPLICATION OF BACTERIA

ABSTRACT : PURPOSE: To prevent the sticking of bacteria from foods and drinks to plastics and rubbers and multiplication thereof, by previously adding metal powder and/or fatty acid salt to plastics and rubbers to be in contact with foods and drinks containing bacteria and molding the resultant blend.

CONSTITUTION: 0.1~200wt%, preferably 2~50wt% metal powder, e.g. powder of gold, silver, nickel, cobalt, copper, tin, zinc, chromium, palladium, etc., having 0.1~30 $\mu$  average particle size and/or fatty acid salt, e.g. metal salt of stearic acid, oleic acid, lauric acid, linoleic acid, palmitic acid, etc., is preblended with plastics, e.g. polyethylene, polypropylene, etc., or rubbers, e.g. nitrile-butadiene rubber, silicone rubber, etc., and the resultant blend is molded to give metal-containing plastics or rubbers, which are then brought into contact with foods and drinks containing bacteria.

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